

AMENDMENTS TO THE CLAIMS

1. (previously presented) Cast part with high creep resistance, made of an alloy with a composition consisting of (% by weight):

Si: 5-11

Fe: at most 0.3

Mg: 0.25-0.5

Cu: 0.3 - 1.5

Ti: 0.05 - 0.25

Zr: 0.05 - 0.25

Mn: <0.4

Zn: <0.3

Ni: <0.4

other elements <.10 each and 0.30 total, remainder aluminum with the proviso that no vanadium is added to said alloy.

2. (previously presented) Part according to claim 1, wherein silicon is from 6.5 to 7.5%.
3. (canceled)
4. (previously presented) Part according to claim 1, wherein copper is from 0.4 to 0.7%.
5. (canceled)
6. (previously presented) Part according to claim 1, wherein magnesium and copper are present such that $0.3\text{Cu} + 0.18 < \text{Mg} < 0.6$.

7. (previously presented) Part according to claim 1, wherein titanium is from 0.08 to 0.20%.
8. (previously presented) Part according to claim 1, wherein zirconium is from 0.12 to 0.18%.
9. (previously presented) Part according to claim 1, wherein manganese is from 0.1 to 0.3%
10. (previously presented) Part according to claim 1, wherein zinc is at most 0.1%.
11. (previously presented) Part according to claim 1, wherein nickel is not added to said alloy and is present at most 0.1 %.
12. (previously presented) Part according to claim 1, wherein said part is solution heat treated, quenched and tempered to T6 or T7.
13. (previously presented) Part according to claim 1, wherein said part is a cylinder head or a crankcase of an automobile or aircraft engine.
14. (canceled)
15. (previously presented) Part according to claim 2, wherein the copper is from 0.4% to 0.7%.
16. (previously presented) Part according to claim 3, wherein copper is from 0.4% to 0.7%.
17. (canceled)
18. (previously presented) Part according to claim 3, wherein magnesium is from 0.25

to 0.5%.

19. (canceled)
20. (previously presented) Part according to claim 2, wherein magnesium and copper are present such that $0.3\text{Cu} + 0.18 < \text{Mg} < 0.6$.
21. (canceled)
22. (previously presented) Part according to claim 1, wherein the creep strain (ϵ) at a stress of 40MPa and a temperature of 250°C is not greater than: 0.078%, after 100 hours, 0.18% after 200 hours, and 0.31 % after 300 hours.
23. (currently amended) Part according to claim 1, wherein the creep strain (ϵ) at a stress of 40MPa and a temperature of 250°C is not greater than: 0.098%, after 100 hours, 0.48% after 200 hours, and 1.20% after 300 hours.
24. (new) A cylinder head with high creep resistance, made of an alloy with a composition consisting of (% by weight):
- Si: 5-11
- Fe: at most 0.3
- Mg: 0.25-0.5
- Cu: 0.3 - 1.5
- Ti: 0.05 - 0.25
- Zr: 0.05 - 0.25
- Mn: <0.4
- Zn: <0.3
- Ni: <0.4
- other elements <.10 each and 0.30 total, remainder aluminum with the proviso that no vanadium is added to said alloy.